

Notice of Allowability

Application No.

10/809,839

Applicant(s)

JEDDELOH ET AL.

Examiner

Horace L. Flournoy

Art Unit

2189

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment received on 10/10/2006 and telephone interview of 12/18/2006.
2. ☒ The allowed claim(s) is/are Claims 1, 4-10, 12-14, 16-19, 21, and 37-51.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>7/24/2006</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

ACKNOWLEDGEMENT OF REFERENCES CITED BY APPLICANT

As required by **M.P.E.P.** 609(c), the examiner acknowledges the applicant's submission of the Information Disclosure Statement dated 7/24/2006 and the cited reference has been considered in the examination of the claims now pending. As required by **M.P.E.P.** 609(c), a copy of the PTOL-1449 initialed and dated by the examiner is attached to the instant office action.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kimton N. Eng (Registration No. 43,605) on December 18, 2006.

The application has been amended as follows:

In the claims:

- Claim 43, line 1: change "37" to -42-.
- Claim 44, line 1: change "37" to -42-.
- Claim 45, line 1: change "37" to -42-.
- Claim 46, line 6: change "for provision to the second memory" to -for provision to a second memory-.

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- Claim 46, line 8: change “arbitration packet to a second memory” to –arbitration packet to the second memory–.

Reasons For Allowance

This Office action has been issued in response to amendment filed September 18th 2006. Claims 1, 4-10, 12-14, 16-19, 21, and 37-51 are pending. Applicant's arguments have been carefully and respectfully considered, and are persuasive, as will be discussed in more detail below.

The following is an examiner's statement of reasons for allowance:

With respect to **independent claim 1** the claims are allowable over the prior art of record for:

- The claim language of “*...retrieving read data...in accordance with the data of the arbitration packet.*” in combination with the other claim elements **distinguishes over the prior art of record**.

With respect to **independent claim 8** the claims are allowable over the prior art of record for:

- The claim language of “*...receiving a query from the transmitting hub...the configured data path for transmitting the same to the receiving memory hub.*” in

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combination with the other claim elements **distinguishes over the prior art of record.**

With respect to **independent claim 12** the claims are allowable over the prior art of record for:

- The claim language of “...*generation at a first memory hub...the arbitration packet in preparation of receiving the associated read response.*” in combination with the other claim elements **distinguishes over the prior art of record.**

With respect to **independent claim 18** the claims are allowable over the prior art of record for:

- The claim language of “...*generating an arbitration packet for...the second memory hub in accordance with the data included in the data path field.*” in combination with the other claim elements **distinguishes over the prior art of record.**

With respect to **independent claim 37** the claims are allowable over the prior art of record for:

- The claim language of “...*retrieving read data from a memory device...in the interposing memory hub in accordance with the data of the arbitration packet.*” in combination with the other claim elements **distinguishes over the prior art of record.**

With respect to **independent claim 42** the claims are allowable over the prior art of record for:

- The claim language of “...*retrieving read data from a memory device...in the interposing memory hub in accordance with the data of the arbitration packet.*” in combination with the other claim elements **distinguishes over the prior art of record.**

With respect to **independent claim 46** the claims are allowable over the prior art of record for:

- The claim language of “...*determining whether a local data path is idle...the arbitration packet in preparation of receiving the associated read response.*” in combination with the other claim elements **distinguishes over the prior art of record.**

With respect to **independent claim 50** the claims are allowable over the prior art of record for:

- The claim language of “...*determining whether a local data path is idle...in accordance with the data included in the data path field.*” in combination with the other claim elements **distinguishes over the prior art of record.**

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Additionally, each of the independent claims are allowable over the prior art of record for the reasons set forth on pages 16-19 of the applicants response received 7/24/2006, in combination with the amendments made and included in the applicants response received on 11/24/2006 as well as the telephonic interview between the applicant and the examiner which approved examiners amendments on claims 43-46. As such, each of the dependent claims is allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

CONCLUSION

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Horace L. Flournoy whose telephone number is (571) 272-2705. The examiner can normally be reached on Monday through Friday 8:00 AM to 5:30 PM (ET).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Reginald G. Bragdon can be reached on (571) 272-4204. The fax phone numbers for the organization where this application or proceeding is assigned is (703) 746-7239.

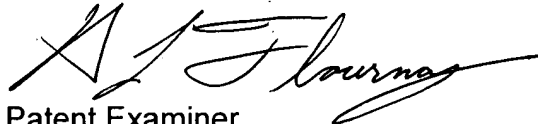
Information regarding the status of an Application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published

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applications may be obtained from either Private PAIR or PUBLIC PAIR. Status information for unpublished applications is available through Private Pair only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

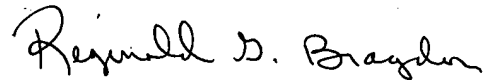
Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2100.

Horace L. Flournoy



Patent Examiner
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Reginald G. Bragdon



Supervisory Patent Examiner
Technology Center 2100